



MATERIAL SAFETY DATA SHEET #2046

Page 1 of 5

1301 East 9th Street, Suite 1300, Cleveland, OH 44114-1849
EMERGENCY PHONE: LESCO: (800) 321-5325
CHEMTREC: (800) 424-9300

DATE ISSUED: 12/20/04
SUPERSEDES: 7/20/04

I. PRODUCT IDENTIFICATION

PRODUCT NAME: LESCO CrossCheck® Plus Multi-Insecticide; LESCO CrossCheck® GC Flowable Insecticide

Chemical Family: Pyrethroid insecticide

Chemical Name/Synonyms: (2-methy[1,1'-biphenyl]-3-yl)methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%(by/wt.)	CAS #	PEL/TLV
Bifenthrin	7.9	82657-04-3	Not Established
Inert ingredients	92.1	NA	NA

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Primary Route(s) of Entry: Eyes, Skin, Inhalation, Ingestion

POTENTIAL HEALTH EFFECTS: Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapors. Avoid contact with eyes, skin, or clothing. In animal studies, large doses of Bifenthrin caused convulsions, tremors, and bloody nasal discharge. Contact with the skin may produce distressing paresthesias that rarely persist more than 24 hours. Severe exposure may cause acute neurotoxicity.

EYE: Causes moderate eye irritation

SKIN: Prolonged or repeated skin contact may cause rashes, numbing, burning or tingling. Symptoms are usually reversible within 24 hours.

INHALATION: Vapor concentrations may be harmful if inhaled.

INGESTION: Harmful if swallowed.

MEDICAL CONDITIONS AGGRAVATED: Existing skin sensitivities.

POTENTIAL ENVIRONMENTAL HAZARDS: Highly toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops if bees are visiting the treatment area.

IV. FIRST AID MEASURES

EYES: Hold eyes open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

INHALATION: Remove person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for treatment advice.

INGESTION: Call a physician or poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

NOTES TO MEDICAL DOCTOR: This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive (decontamination, vital functions) If large amounts have been ingested and patient is seen within an hour of ingestion, gastrointestinal decontamination should be considered. Digestive fats, oil, or alcohol may increase absorption and so should be avoided. Contact with the skin may produce distressing paresthesias that rarely persist more than 24 hours. Severe exposure may cause acute neurotoxicity.

V. FIRE FIGHTING MEASURES

Flash Point (Method Used): 200F

Lower Explosion Limits: NA

NFPA/HMIS Rating: Health: 2

EXTINGUISHING MEDIA: ☒ Foam

☒ Water Fog

Auto Ignition Temperature: NA

Upper Explosion Limits: NA

Fire: 1

Reactivity: 0

☐ Alcohol Foam

☒ Dry Chemical

☐ Other

☒ CO₂

EXPLOSION HAZARDS: None known. In a fire, may decompose to form toxic by-products.

FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus with full facepiece and full fire fighting turn-out gear (Bunker gear).

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, hydrogen chloride and hydrogen fluoride.

VI. ACCIDENTAL RELEASE MEASURES

RELEASE NOTES: In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container, identify contents.

Small Spills: Wear personal protective equipment as specified. Pick up with inert absorbent material (e.g. clay or diatomaceous earth). Place in suitable container for disposal.

Large Spills: In case of large scale spillage, avoid contact, isolate area, and keep out animals and unprotected persons. Pick up with inert absorbent material (e.g. clay or diatomaceous earth). Place into suitable container for disposal.

VII. HANDLING AND STORAGE

GENERAL PROCEDURES: Do not contaminate water, food or feed by storage or disposal. Use only a well-ventilated area. Keep away from food, feed and drinking water. Do not contaminate water, food or feed by storage or disposal. Store in a well-ventilated, dry place away from heat and other sources of ignition. Store in original containers only. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink container.

OTHER PRECAUTIONS: Wash thoroughly with soap and water after handling. Keep out of reach of children and animals.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Proper ventilation is required when handling or using this product. Localized exhaust should be used in areas where vapors or mists may be emitted. Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

PERSONAL PROTECTION EQUIPMENT: (PPE)

EYES AND FACE: Safety goggles or full face shield

RESPIRATORY: When handling in non-ventilated spaces, use a MSHA/NIOSH respirator with approval number prefixes such as: TC-23C, TC-21C, TC-19C, TC-13F, TC-14G or NIOSH approved respirator with an R, P, or HE filter, or a NIOSH approved respirator with an organic vapor (OV) cartridge, or canister with any R, P or HE prefilter.

GLOVES: Chemical resistant gloves

PROTECTIVE CLOTHING: Long sleeved shirt and long pants; shoes plus socks

WORK HYGIENIC PRACTICES: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash the outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothing.

COMMENTS: Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: ND	SPECIFIC GRAVITY: 1.017 g/cm ³
MELTING POINT: ND	EVAPORATION RATE: ND
VAPOR DENSITY (air = 1): ND	VAPOR PRESSURE: ND
ODOR: Sweetish	SOLUBILITY IN WATER: Soluble
APPEARANCE: Liquid, off-white	PERCENT VOLATILE: ND
pH: 6.0 – 6.5	MOLECULAR WEIGHT (Technical): 422.87
	MOLECULAR FORMULA (Technical): C ₂₃ H ₂₂ C1F ₃ O ₂

X. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: All sources of ignition: heat, sparks, open flame
STABILITY: Stable
POLYMERIZATION: Will not occur
INCOMPATIBLE MATERIALS: Not Available
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, HCl, HF

XI. TOXICOLOGICAL INFORMATION

EYE EFFECTS: (Rabbit): Moderate irritation
SKIN EFFECTS: (Rabbit): Non irritating
DERMAL LD₅₀: (Rabbit): > 2,000 mg/Kg
ORAL LD₅₀: (Rat): 632 mg/Kg
INHALATION LC₅₀: (Rat): (1 hour) 11.58 mg/L
SENSITIZATION: (Guinea Pig): Potential sensitizer
ACUTE EFFECTS FROM OVEREXPOSURE: Causes moderate eye irritation. Prolonged or repeated skin contact may cause rashes, numbing, burning or tingling. Symptoms of over exposure are nose bleed, tremors and convulsions.
CHRONIC EFFECTS FROM OVEREXPOSURE: Information on Bifenthrin: Results from a number of mutagenicity studies with microorganisms, mammalian cell culture and mammals are available. Taking into account all of the information, there is no indication that the substance is mutagenic. In animal studies, the substance showed a developmental toxic effect in high doses which were maternally toxic. The results of animal studies gave no indication of a fertility impairing effect.
CARCINOGENICITY: Information on Bifenthrin: In long-term animal studies in which the substance was given in high concentrations by feed, a possible carcinogenic effect was observed. The substance is not considered to pose a carcinogenic risk at low human exposure levels.
IARC: Not Listed
NTP: Not Listed
OSHA: Not Listed
OTHER: Not Listed

XII. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops if bees are visiting the treatment area.

ECOTOXICOLOGICAL INFORMATION:

Fish Toxicity (Technical):

96 hour LC50, Rainbow trout – 0.00015 mg/L

96 hour LC50, bluegill – 0.00035 mg/L

48 hour LC50, Daphnia magna – 0.00016 mg/L

Avian Toxicity (Technical):

Oral LD50, bobwhite quail – 4000 mg/Kg

Oral LD50, Mallard duck – 1250 mg/Kg

Bee Toxicity: Toxic

Contact LD50, Honeybee – 0.0146 ug/bee

XIII. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Product: Pesticide wastes are toxic. Do not contaminate water, food or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. Dispose of excess or waste pesticide by use according to label directions, or contact our State pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container: Plastic Container: Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. **Returnable/Refillable Sealed Container:** Do not rinse container. Do not empty remaining formulated product. Do not break seals; Return intact to point of purchase.

XIV. TRANSPORTATION INFORMATION:

DOT Transportation:

Not Regulated

Proper Shipping Name:

Insecticide, Liquid, N.O.I.B.N.

Hazard Class:

Not Regulated when shipped by highway in packages <119 gallons.

(Non-bulk packages by water and bulk packages by highway, railroad or water, the material is Class 9: Environmentally hazardous substances, liquid, n.o.s. (bifenthrin 7.9%), 9, UN3082, PG III. ERG Guide 171)

U.S. Surface Freight Class:

18

Marine Pollution #1:

(Non-bulk packages by water and bulk packages by highway, railroad or water, the material is Class 9: Environmentally hazardous substances, liquid, n.o.s. (bifenthrin 7.9%), 9, UN3082, III. NAERG Guide 171)

HM 181 Shipping Name:

Not Regulated

ID NO.:

Not Applicable

Reportable Quantity (RQ):

Not Applicable

XV. REGULATORY INFORMATION – UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

SEC 311/312:

Y Immediate (Acute Health)

Y Delayed (Chronic Health)

N Fire

N Sudden Release of Pressure

N Reactivity

SEC 302 (Extremely Hazardous Substance): Not Listed

SEC 304 (Emergency Release Notification): Not Listed

SEC 313 (Toxic Chemicals): Bifenthrin 7.9% CAS #82657-04-3



MATERIAL SAFETY DATA SHEET #2046

Page 5 of 5

CERCLA RQ: Not Listed

CAA RQ: Not Listed

EPA Registration No.: 51036-392-10404; 51036-391-10404

NOTE: NA=Not Available; ND=Not Determined; NE=Not Established

Preparation and distribution of this Material Safety Data Sheet is done for LESCO, Inc., pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

The information contained herein is based on available data. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof; and you should make your investigation to determine safety for the use you contemplate. LESCO makes no warranty of merchantability of fitness for a particular use, nor is there any other express or implied warranty except as may be specifically provided otherwise on product.

LESCO, Inc. assumes no responsibility or liability for any incidental or consequential damages whether related to personal injury or property damage, to vendees, users or third parties, caused by the material and LESCO's responsibility is limited to replacement of, or repayment of, the purchase price for the material(s) with respect to which any damages are claimed. All vendees or users assume all risk associated with the use of the material(s).

For further information, contact: LESCO, Inc. • 1301 East 9th Street, Suite 1300 • Cleveland, OH 44114-1849 or (800) 321-5325.